

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method comprising:
predetermining content of a data stream prior to receiving a request for the data stream;
stream;
~~receiving a request for a data stream from a client;~~
~~sampling the data stream;~~
~~generating one or more fingerprint blocks for one or more sampled portions of the~~
based on the predetermined content of the data stream;
~~transmitting the one or more fingerprint blocks to the client via a first connection~~
prior to receiving the request; and
receiving the request for the data stream; and
~~transmitting the data stream in response to the request on-demand to the client via~~
~~a second connection, wherein the on-demand transmitting of the data~~
~~stream includes simultaneous transmission or delayed transmission~~
~~according to a demand.~~
2. (Currently Amended) The method of claim 1, further comprising sending to the
~~client parameters for sampling portions of the data stream according to sampling~~
parameters.
3. (Currently Amended) The method of claim 1, wherein generating ~~one or more~~
fingerprint blocks comprises generating cyclic redundancy check (CRC) values for the
~~one or more sampled portions of the data stream.~~

Claims 4-18 (Cancelled)

19. (Currently Amended) A ~~client system~~ comprising:
- ~~a processor~~ a storage medium; and
- ~~a memory coupled to said processor having stored therein a set of instructions to~~
- ~~cause said processor to:~~ a processor coupled to the storage medium, the
- processor to:
- predetermine content of a data stream prior to receiving a request for the
- data stream;
- ~~generating the~~ receive a first set of fingerprint blocks from the server via a
- first connection based on the predetermined content,
- transmitting the fingerprint blocks via a first connection prior to receiving
- the request;
- receiving the request for the data stream; and
- ~~receive~~ transmitting the data stream ~~on demand at the client~~ via a second
- connection, wherein the ~~on demand receiving~~ transmitting of the
- data stream includes simultaneous reception or delayed reception
- ~~according to a demand,~~
- ~~sample the data stream at the client,~~
- ~~generate a second set of fingerprint blocks for one or more sampled,~~
- ~~portions of the data stream at the client, and~~
- ~~compare the second set of fingerprint blocks to the first set of fingerprint~~
- ~~blocks.~~

20. (Currently Amended) The ~~client system~~ of claim 19, wherein the first connection comprises an out-of-band connection, and the second connection comprises a primary data connection.

21. (Currently Amended) The client of claim 19, wherein ~~the set of instructions comprises instructions to cause the processor~~ is further to communicate an error message ~~to the server if the a second set of fingerprint blocks generated at the client does not match the a first set of fingerprint blocks generated at the server.~~

22. (Currently Amended) The client of claim ~~19~~ 21, wherein ~~the set of instructions comprises instructions to cause the processor~~ is further to communicate a valid status message ~~to the server if the second set of fingerprint blocks generated at the client match the first set of fingerprint blocks generated at the server.~~

Claims 23–27 (Cancelled)

28. (Currently Amended) ~~A~~ An article of manufacture comprising a machine readable medium having stored thereon data representing sets of instructions which, when when executed, by a machine, cause the cause a machine to:

predetermine content of a data stream prior to receiving a request for the data

stream;

receive a request for a data stream from a client;

sample the data stream;

~~generating-generate one or more fingerprint blocks for one or more sampled portions of the data stream based on the predetermined content;~~
transmit the ~~one or more fingerprint blocks to the client~~ via a first connection
~~prior to receiving the request; and~~
~~receiving the request for the data stream; and~~
transmit the data stream ~~on-demand to the client~~ via a second connection, wherein
the ~~on-demand~~ transmitting of the data stream includes simultaneous
transmission delayed transmission ~~according to a demand~~.

29. (Currently Amended) The ~~machine-readable medium-article of manufacture~~ of claim 28, wherein the ~~sets of instructions when executed by the machine, further cause when further executed, cause~~ the machine to generate ~~one or more fingerprint blocks by further cause the machine to~~ generating-generate cyclic redundancy check (CRC) values for the ~~one or more~~ sampled portions of the data stream.

30. (Currently Amended) The ~~machine-readable medium-article of manufacture~~ of claim ~~28~~ 29, wherein the ~~sets of instructions when executed by the machine, further cause the machine to send to the client parameters for sampling~~ sampled portions are sampled via sampling parameters for sampling portions of the data stream.